[0013] FIG. 3(b) shows a perspective view of the bone-screw insert of FIG. 3(a).

[0014] FIG. 4 shows a perspective view of a bone screw, a bone-screw insert, and an insert cap, in accordance with the present invention.

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[0015] FIG. 5(a) shows a schematic cross-sectional view of a bone-screw insert with multiple fenestrations.

[0016] FIG. 5(b) shows a perspective view of the bone-screw insert of FIG. 5(a).

[0017] FIG. 6 shows a schematic cross-sectional view of a bone-screw insert with a porous section along the length of the shaft.

[0018] FIG. 7 shows a schematic cross-sectional view of a bone-screw insert with an internal reservoir and a cap.

[0019] FIG. 8(a) shows a perspective view of a syringe being used to provide a liquid to a bone screw disposed in a hip bone.

[0020] FIG. 8(b) shows a perspective view of a IV being used to provide a liquid to a bone screw disposed in a hip bone.

[0021] FIG. 9 shows a perspective view of a pump assembly being used to provide a liquid to a bone screw disposed in a hip bone.

[0022] FIG. 10 shows a fixation nail inserted into the femur bone of a patient.

[0023] FIG. 11 shows a cross-sectional view of the fixation nail of FIG. 10.

[0024] FIG. 12 shows a perspective view of a bone-screw insert being inserted into the fixation nail of FIG. 10.

[0025] FIG. 13 shows a fixation nail inserted into the humerus bone of a patient.

[0026] FIG. 14 shows a cross-sectional view of the fixation nail of FIG. 13.

[0027] FIG. 15 shows a perspective view of a bone-screw insert being inserted into the fixation nail of FIG. 13.

[0028] FIG. 16 shows a fixation nail inserted into the tibia bone of a patient.

[0029] FIG. 17 shows a cross-sectional view of the fixation nail of FIG. 16.

[0030] FIG. 18 shows a perspective view of the fixation nail of FIG. 16.